1. A method of controlling a chemical mechanical polishing system, comprising:

receiving an inner tolerance, an outer tolerance and a specification tolerance limit; receiving user input selecting one of the inner tolerance and the outer tolerance; receiving user input selecting a polishing machine procedure for the selected tolerance:

polishing a first substrate with the chemical mechanical polishing system;
measuring a thickness of at least one layer in the substrate at an in-line metrology
station; and

if the measured thickness exceeds the selected tolerance, performing the selected procedure.

- 2. The method of claim 1, wherein the selected procedure includes adjusting a polishing time of a second substrate from the same cassette as the first substrate.
- 3. The method of claim 1, wherein the selected procedure includes adjusting a polishing time of a second substrate from a different cassette from the first substrate.
- 4. The method of claim 1, wherein the selected procedure includes displaying a warning message.
- 5. The method of claim 1, wherein the selected procedure includes generating a gating substrate in the next cassette.
- 6. A method of chemical mechanical polishing, comprising:
 polishing a first substrate in a lot at a polishing station of a chemical mechanical
 polishing apparatus that includes an in-line metrology station;

measuring a thickness of at least one layer in the first substrate at the in-line metrology station; and

adjusting a polishing parameter based on the measurement of the first substrate; and

polishing a second substrate at the polishing station with the adjusted polishing parameter.

- 7. The method of claim 6, wherein the thickness of the at least one layer is measured while a third substrate is being polished, and the second substrate is polished after the third substrate.
- 8. The method of claim 6, wherein the polishing parameter is adjusted if the measured thickness exceeds a tolerance limit.
 - 9. The method of claim 8, wherein the tolerance limit is entered by a user.
- 10. The method of claim 6, wherein the polishing parameter is a polishing time.
- 11. A method of chemical mechanical polishing, comprising: receiving a cassette with a plurality of substrates at a chemical mechanical polishing apparatus;

polishing a gating substrate from the cassette;

measuring a thickness of at least one layer in the gating substrate at an in-line metrology station;

determining whether the measured thickness exceeds a tolerance;

if the measured thickness is within the tolerance, commencing polishing of the remainder of substrates from the cassette; and

if the measured thickness is outside the tolerance, repolishing the gating substrate.

12. The method of claim 11, wherein polishing of the remainder of the substrates includes polishing a monitor substrate and measuring a thickness of at least one layer in the monitor substrate at the in-line metrology station.

- 13. The method of claim 12, further comprising adjusting a polishing parameter based on the measured thickness of the at least one layer in the monitor substrate.
- 14. The method of claim 13, further comprising polishing a first regular substrate before polishing the monitor substrate and not directing the first regular substrate to the in-line metrology station.
- 15. The method of claim 14, further comprising polishing a second regular substrate after polishing the monitor substrate using the adjusted polishing parameter and not directing the second regular substrate to the in-line metrology station.
- 16. A method of chemical mechanical polishing, comprising:
 receiving a cassette with a plurality of substrates at a chemical mechanical
 polishing apparatus;

receiving an electronic file containing a wafer type for each substrate in the cassette at a controller for the polishing apparatus;

for each substrate, determining the wafer type;

if the wafer type is a first type, then polishing the substrate, measuring a thickness of at least one layer of the substrate at an in-line metrology station, and not permitting further substrates from the cassette to be polished if the thickness exceeds a first tolerance;

if the wafer type is a second type, then polishing the substrate, measuring a thickness of at least one layer of the substrate at the in-line metrology station, and adjusting a polishing parameter for future substrates from the cassette; and

if the wafer type is a third type, then polishing the substrate and not directing the substrate to the in-line metrology station.